ATTACHMENT 15

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APPENDIX B

MAINTENANCE ALLOCATION CHART

FOR

TESTER, DENSITY AND MOISTURE
(SOIL AND ASPHALT), NUCLEAR METHOD

SECTION I - INTRODUCTION

B-1. GENERAL. This Maintenance Allocation Chart designates responsibility for performance of maintenance repair functions at specified maintenance levels.

a. Section I is a general explanation and definition of terms.

b. Section II shows the maintenance level responsible and estimated work measurement time for specific functions.

c. Section III lists common tool sets and the special tool, test and support equipment required for each maintenance function shown in Section II.

B-2. EXPLANATION OF COLUMNS IN SECTION II.

a. Column 1, Group number. Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies, and modules with the next higher assembly.

b. Column 2, Component/Assembly. Column 2 contains the noun names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

c. Column 3, Maintenance Functions. Column 3 lists the functions to be performed on the item listed in Column 2.

d. Column 4, Maintenance Category. Column 4 specifies, by the listing of a "work time" figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in Column 3. This figure represents active time required to perform that maintenance function at the indicated category of maintenance. The number of man-hours specified by the "work time" figure represents the average time required to restore an item to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. The subcolumns are:

C - Operator/Crew
O - Organizational
F - Direct Support
H - General Support
D - Depot

e. Column 5, Tools and Equipment. Column 5 specifies by code, those common tool sets (not individual tools) and special tools, test, and support equipment required to perform the designated functions.

APPENDIX B - CONTINUED

B-3. THE MAINTENANCE FUNCTIONS ARE DEFINED AS FOLLOWS:

a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical and/or electrical characteristics with established standards through examination.

b. Test. To verify serviceability and detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

c. Service. Operations required periodically to keep an item in proper operating condition, i.e., to clean (decontaminate), to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.

d. Adjust. To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to specified parameters.

e. Align. To adjust specified variable elements of an item to bring about optimum or desired performance.

f. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipments used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

g. Install. The act of emplacing, seating, or fixing into position an item, part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

h. Replace. The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.

i. Repair. The application of maintenance services (inspect, test, service, adjust, align, calibrate, or replace) or other maintenance actions (welding, grinding, riveting, straightening, facing, remachining or resurfacing) to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (components or assembly), end item, or system.

j. Overhaul. That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i.e., DMWR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

k. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours/miles, etc.) considered for classifying Army equipments/components.

APPENDIX B - CONTINUED

MAINTENANCE ALLOCATION CHART FOR TESTER, DENSITY AND MOISTURE (SOIL AND ASPHALT) NUCLEAR METHOD (CCE)

SECTION II - ASSIGNMENT OF MAINTENANCE FUNCTIONS

(1) Group Number	(2) Component/Assembly	(3) Maintenance Function	(4) Maintenance Category C	O	F	H	D	(5) Tools and Equipment
	Battery	Inspect	0.1					
		Test	0.1					
		Service	0.1					
		Replace	0.1					
	Shutter/Cleanout Plate	Service	0.1					
		Replace					*	
	Fuses	Test	0.1					
		Replace	0.1					
	End Item	Inspect	0.1					
		Test		0.2**				
		Service	0.1					
		Adjust	0.1					
		Calibrate					*	
		Replace					*	
		Repair					*	
		Overhaul					*	

* By manufacturer
** This operation performed by the LRPO for the leak test

SECTION III - TOOL AND TEST EQUIPMENT REQUIREMENTS

Tool or Test Equipment Reference Code	Maintenance Category	Nomenclature	National/NATO Stock Number	Tool Number

NOTE

Wipe test kits will be supplied by the US Army Ionizing Radiation Dosimetry Center.